

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) An injection unit comprising which, with
a machine frame,
a plasticizing cylinder with a nozzle tip,
a drive unit for axially displacing and pressing the plasticizing cylinder to an
injection mold, as well as
a drive block disposed in the a rear section of the injection unit,
wherein the rear section further comprises a vertical adjustable support,
wherein the injection unit is moveable on runners of the machine frame, of an
~~injection molding machine and comprises a drive unit for axially displacing and pressing~~
~~the plasticizing cylinder to the injection mold,~~
wherein characterized in that the injection unit is supported in an articulated
manner by a support which is moveable on runners of the machine frame of the
~~injection molding machine and comprises an individual the drive unit~~ for pressing the
plasticizing cylinder, with slight pivotability of the nozzle tip, to the injection mold while
achieving a centric sealing connection, and ~~the a~~ rear section of the drive block is
adjustably supported.

2. (Currently amended) The injection unit according to claim 1, ~~characterized in that~~ wherein the support is formed as a running gear with an undercarriage preferably comprising four guide shoes.

3. (Currently Amended) The injection unit according to claim 1, ~~characterized in that~~ wherein the support ~~has~~ further comprises two lateral support cheeks, ~~which~~ configured to provide the plasticizing cylinder with articulated support via rotary pins.

4. (Currently Amended) The injection unit according to claim 1, ~~characterized in that~~ wherein the support ~~features~~ further comprises a downward-facing fish joint, wherein the ~~with a joint for~~ is a drive axis.

5. (Currently Amended) The injection unit according to claim ~~4~~ 1, ~~characterized in that~~ wherein ~~the~~ an active axis of the fish joint connection is disposed at ~~the~~ a center of the machine frame and in parallel to ~~the~~ an axis of the plasticizing cylinder.

6. (Currently Amended) The injection unit according to Claim 5, ~~characterized in that~~ wherein the active axis is preferably disposed substantially in the same plane as the frame, and substantially in a plane lower than the plane of the runners. at ~~approximately the frame level, especially below the level of the runners.~~

7. (Currently Amended) The injection unit according to claim 1, characterized in that the ~~individual drive unit further comprises~~ has an electric motor as well as ~~and~~ a spindle overdrive.

8. (Currently Amended) The injection unit according to claim 1, wherein the support further comprises upper rotary pins and a lower joint, and the support is formed as a running gear, wherein ~~characterized in that~~ the support in ~~the~~ a region between the upper rotary pins and the lower joint and the running gear is rigidly formed, with deformation under stress being substantially zero.

9. (Currently Amended) An injection unit comprising which, with
a machine frame,
a plasticizing cylinder with a nozzle tip,
a drive unit for axially displacing and pressing the plasticizing cylinder to an
injection mold, as well as
a drive block disposed in the a rear section of the injection unit,
wherein the rear section further comprises a vertical adjustable support,
wherein the injection unit is moveable on runners of the machine frame ~~of an~~
~~injection molding machine and comprises a drive unit for axially displacing and pressing~~
~~the plasticizing cylinder to the injection mold,~~
wherein ~~characterized in that~~ the injection unit is supported in an articulated manner by a support which is moveable on runners of the machine frame ~~of the~~
~~injection molding machine and comprises an individual~~ the drive unit for pressing the

plasticizing cylinder, with slight pivotability of the nozzle tip, to the injection mold while achieving a centric sealing connection, and the a rear section of the drive block is adjustably supported,

wherein guide shoes move the support along the runner;

wherein ~~further characterized in that~~ the guide shoes are ~~designed as~~ spherical rotary spindles, ~~the horizontal spacing with respect to the tension-stressed guide shoes being greater than the corresponding spacing of the pressure-stressed guide shoes to offset the K factor with regard to tension and pressure balancing.~~

10. (Currently Amended) The injection unit according to claim 1, wherein the plasticizing cylinder further comprises a plasticizing worm, wherein ~~characterized in that~~ the injection unit further comprises ~~includes~~ a drive unit for the a rotational and axial movement of the plasticizing worm, said drive unit being supported by the support ~~as well as an additional~~ and a second guide shoe unit on the machine frame, wherein the plasticizing cylinder is firmly connected to the drive unit.

11. (Currently Amended) The injection unit according to claim 11 4, ~~characterized in that the additional~~ wherein the second guide shoe unit ~~has~~ further comprises a lower drive bridge, on which the drive unit is supported, said support being provided by a central support.

12. (Currently Amended) The injection unit according to Claim 11, ~~characterized in that the additional~~ wherein the second guide shoe unit has further comprises an adjustment device for both vertical and horizontal adjustment.

13. (Currently Amended) An injection unit comprising which, with
a machine frame,
a plasticizing cylinder with a nozzle tip,
a drive unit for axially displacing and pressing the plasticizing cylinder to an
injection mold, as well as
a drive block disposed in the a rear section of the injection unit,
wherein the rear section further comprises a vertical adjustable support,
wherein the injection unit is moveable on runners of the machine frame ~~of an~~
~~injection molding machine and comprises a drive unit for axially displacing and pressing~~
~~the plasticizing cylinder to the injection mold,~~
wherein ~~characterized in that~~ the injection unit is supported in an articulated manner by a support which is moveable on runners of the machine frame ~~of the~~
~~injection molding machine~~ and comprises an individual the drive unit for pressing the plasticizing cylinder, with slight pivotability of the nozzle tip, to the injection mold while achieving a centric sealing connection, and ~~the a~~ rear section of the drive block is adjustably supported,
wherein the injection unit is further supported by a guide shoe unit,

wherein ~~further characterized in that the support and running gear are~~ is
disposed in ~~the~~ a front section of the injection unit and the ~~other~~ guide shoe unit is
disposed in ~~the~~ a rear section of the injection unit,

wherein the ~~running gear having~~ support comprises four guide shoes and the
guide shoe unit ~~having~~ comprises two guide shoes.

14. (Currently Amended) The injection unit according to claim 1, wherein the support
further comprises rotary pins that ~~characterized in that the rotary pins~~ are at least
approximately disposed in a shared horizontal plane with ~~the~~ an axis of the plasticizing
cylinder, in such a manner that during adjustment of the plasticizing cylinder tip a
pivoting movement can be completed in both a horizontal and a vertical plane.

15. (Cancelled)

16. (Currently Amended) The injection unit according to Claim 1, characterized in
that the ~~individual~~ drive unit has a servo motor, ~~as well as~~ and a spindle overdrive.